

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101525\
 Data File : PD090599.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2025 12:27
 Operator : AR\AJ
 Sample : PB170103BS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB170103BS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/16/2025
 Supervised By :mohammad ahmed 10/17/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 08:10:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.545	2.875	55169322	504.9E6	16.973	18.392
28)	SA Decachlor...	9.067	8.062	101.5E6	655.5E6	21.045	20.221
Target Compounds							
2)	A alpha-BHC	3.995	3.386	371.2E6	2415.7E6	53.141	55.174
3)	MA gamma-BHC...	4.325	3.723	348.7E6	2237.5E6	52.692	54.926
4)	MA Heptachlor	4.924	4.075	282.4E6	2043.8E6	42.704	50.195
5)	MB Aldrin	5.265	4.360	336.2E6	2204.7E6	52.943	55.208
6)	B beta-BHC	4.512	4.019	130.6E6	940.3E6	50.619	54.243
7)	B delta-BHC	4.759	4.255	351.0E6	2273.4E6	54.348m	55.054
8)	B Heptachlo...	5.685	4.864	299.0E6	2012.6E6	52.314	54.594
9)	A Endosulfan I	6.069	5.238	276.6E6	1835.5E6	51.209	53.042
10)	B gamma-Chl...	5.941	5.117	300.9E6	2175.8E6	52.678	55.383
11)	B alpha-Chl...	6.020	5.181	311.9E6	2075.6E6	54.150m	55.106
12)	B 4,4'-DDE	6.191	5.366	273.0E6	2113.0E6	52.424	55.199
13)	MA Dieldrin	6.342	5.504	301.3E6	2142.3E6	52.269	55.008
14)	MA Endrin	6.569	5.781	256.0E6	2005.2E6	52.318	55.960
15)	B Endosulfa...	6.781	6.072	262.8E6	1829.8E6	53.882	54.214
16)	A 4,4'-DDD	6.701	5.920	216.8E6	1764.4E6	52.908	54.411
17)	MA 4,4'-DDT	7.016	6.174	197.7E6	1597.6E6	44.408	46.469
18)	B Endrin al...	6.911	6.250	189.9E6	1358.9E6	55.367	57.711
19)	B Endosulfa...	7.145	6.473	234.8E6	1753.0E6	51.037	53.626
20)	A Methoxychlor	7.489	6.745	94772881	764.6E6	40.217	43.944
21)	B Endrin ke...	7.626	6.982	245.4E6	1868.8E6	49.610	51.764
22)	Mirex	8.108	7.175	170.0E6	1352.5E6	45.875	48.992

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101525\
Data File : PD090599.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2025 12:27
Operator : AR\AJ
Sample : PB170103BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

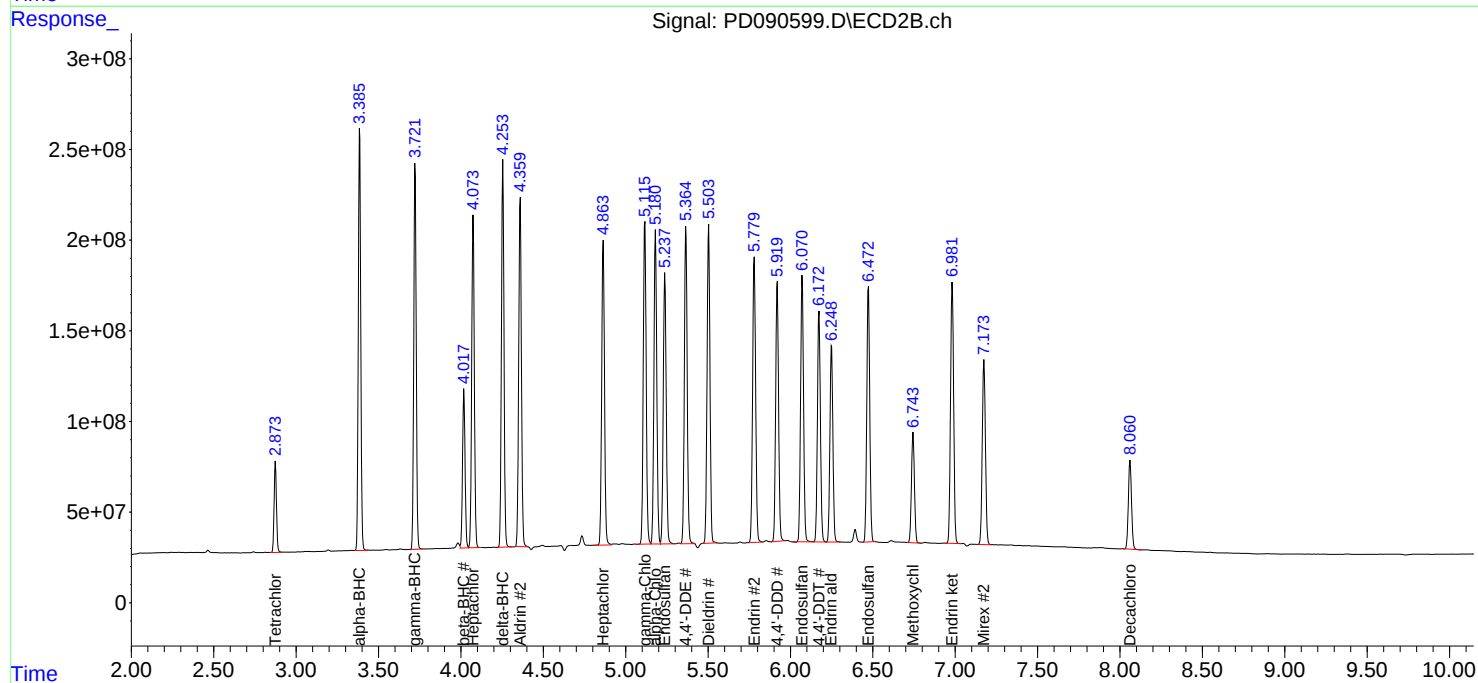
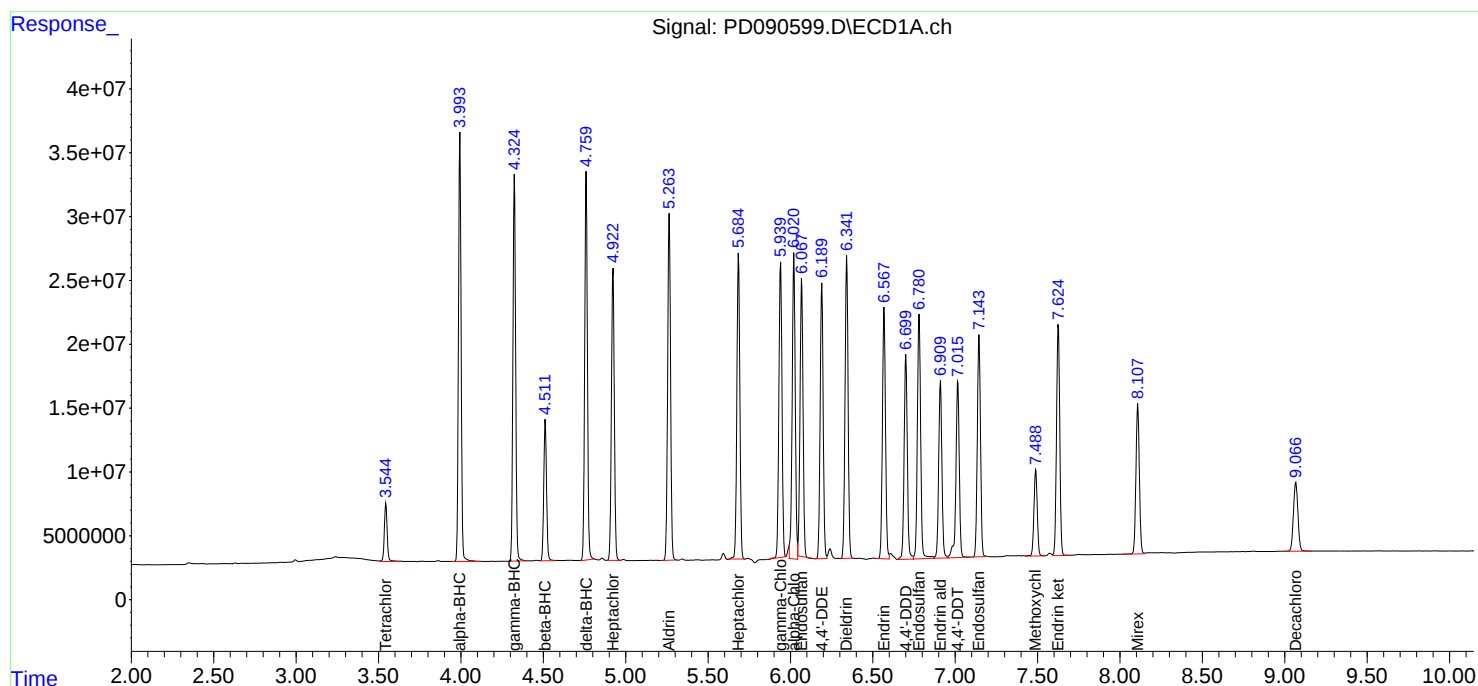
Instrument :
ECD_D
ClientSampleId :
PB170103BS

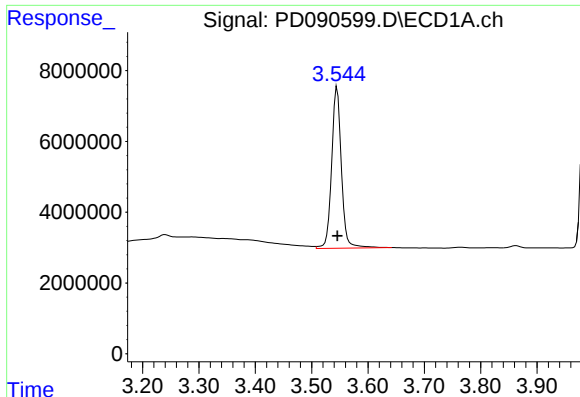
Manual Integrations
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Supervised By :mohammad ahmed 10/17/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 08:10:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





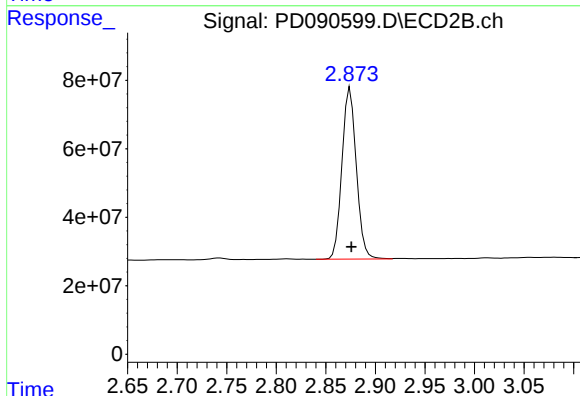
#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 55169322
Conc: 16.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170103BS

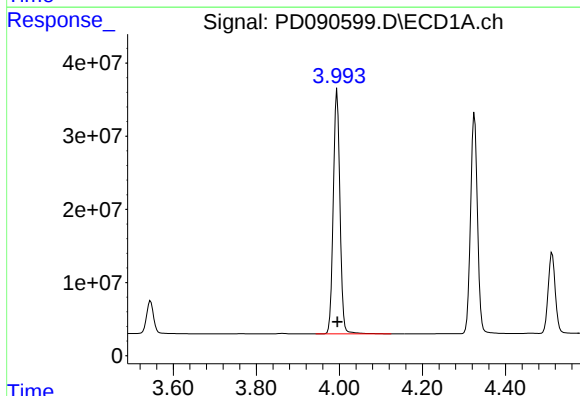
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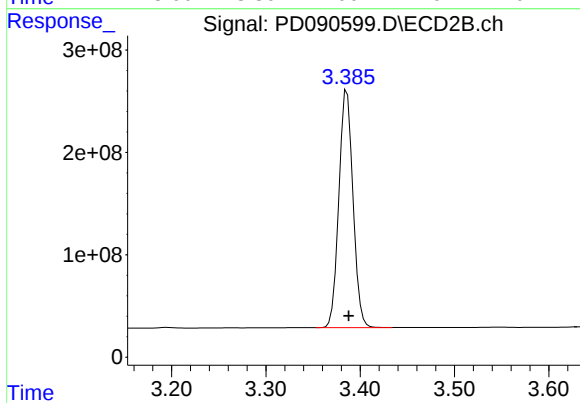
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: -0.001 min
Response: 504859735
Conc: 18.39 ng/ml



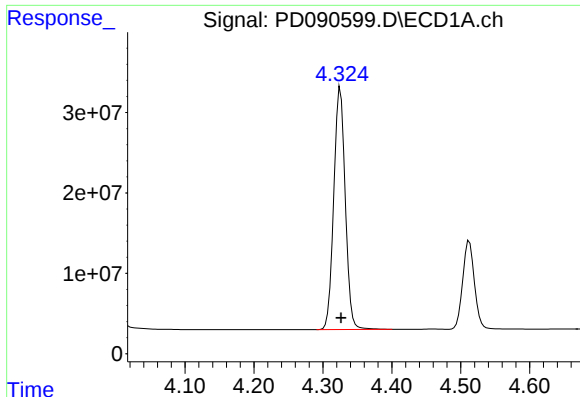
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 371168156
Conc: 53.14 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: -0.002 min
Response: 2415666775
Conc: 55.17 ng/ml



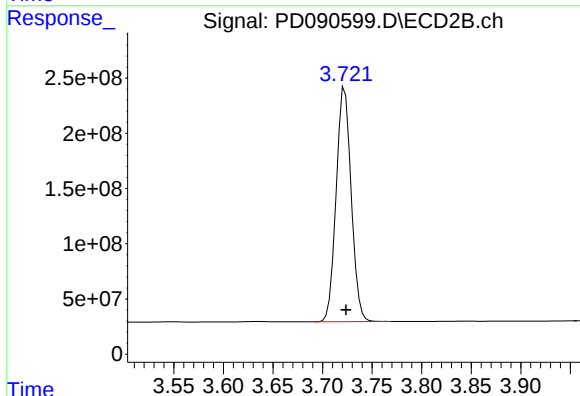
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 348654141
Conc: 52.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170103BS

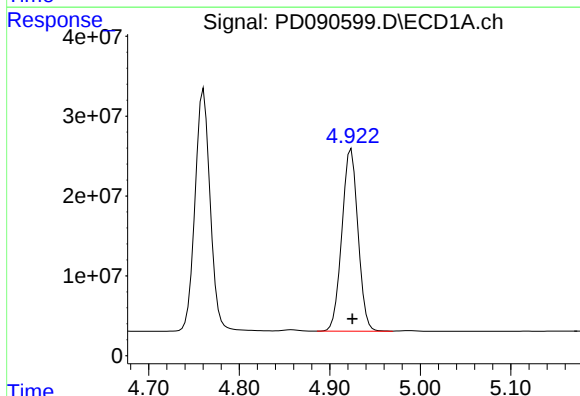
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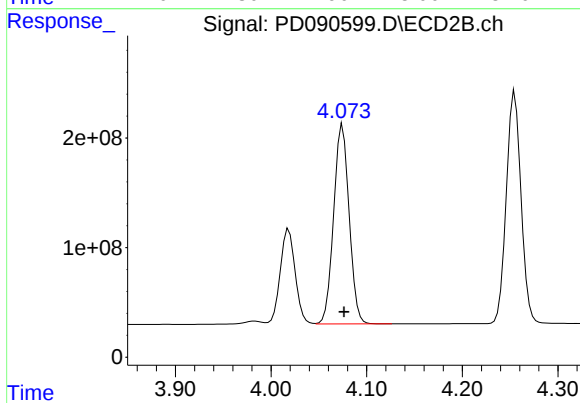
#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: -0.001 min
Response: 2237453907
Conc: 54.93 ng/ml



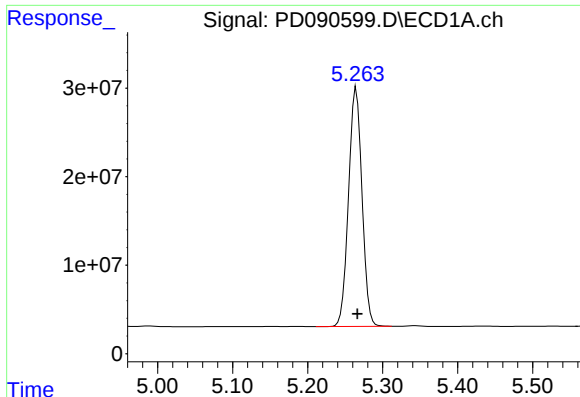
#4 Heptachlor

R.T.: 4.924 min
Delta R.T.: -0.001 min
Response: 282380270
Conc: 42.70 ng/ml



#4 Heptachlor

R.T.: 4.075 min
Delta R.T.: -0.002 min
Response: 2043761989
Conc: 50.19 ng/ml



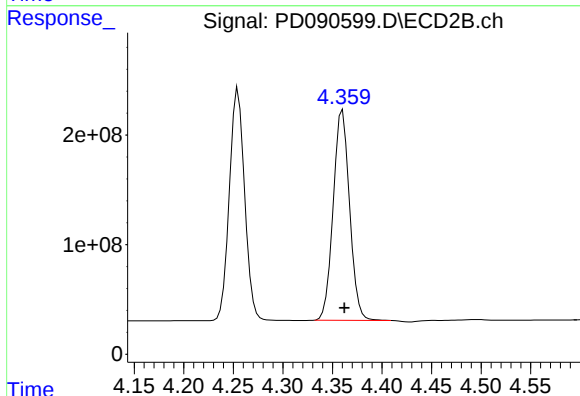
#5 Aldrin

R.T.: 5.265 min
Delta R.T.: -0.001 min
Response: 336186491
Conc: 52.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170103BS

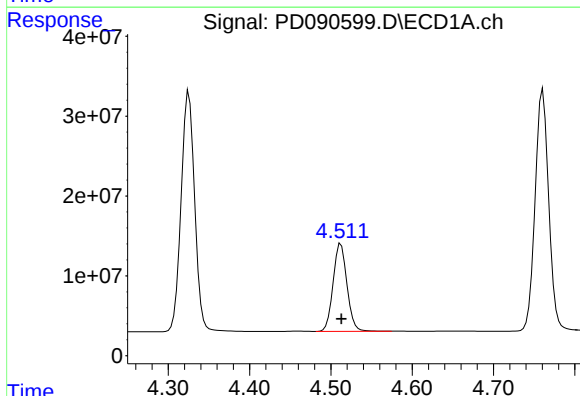
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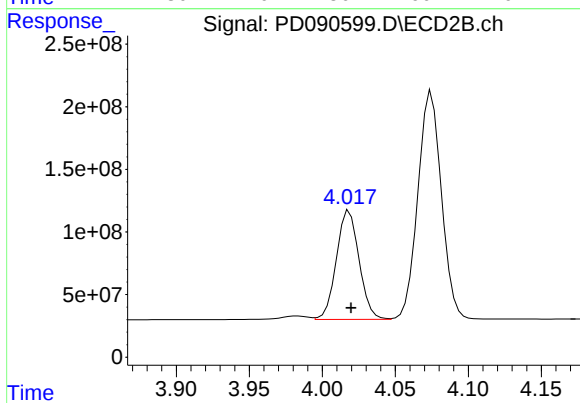
#5 Aldrin

R.T.: 4.360 min
Delta R.T.: -0.002 min
Response: 2204717915
Conc: 55.21 ng/ml



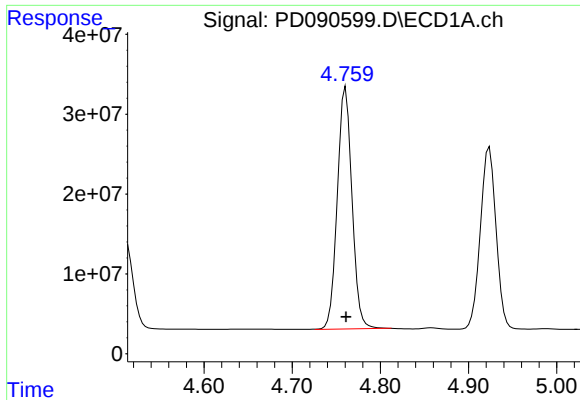
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 130592372
Conc: 50.62 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: -0.001 min
Response: 940321403
Conc: 54.24 ng/ml



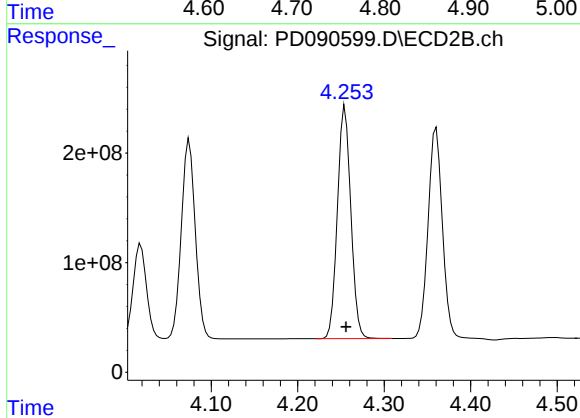
#7 delta-BHC

R.T.: 4.759 min
Delta R.T.: -0.002 min
Response: 350951374
Conc: 54.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170103BS

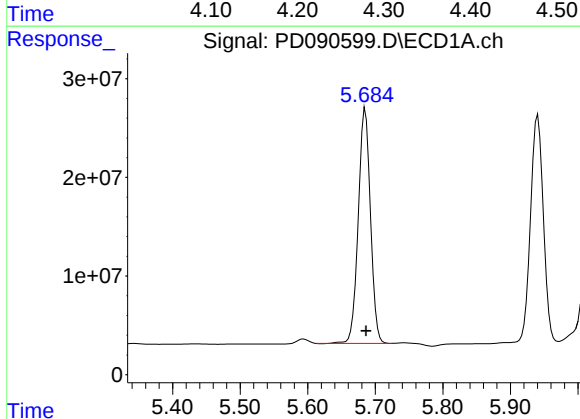
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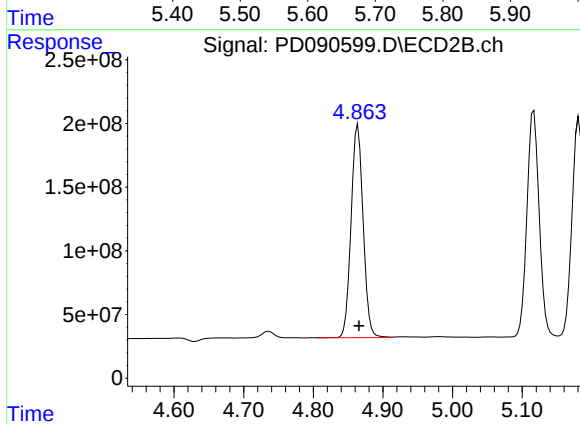
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: -0.001 min
Response: 2273434274
Conc: 55.05 ng/ml



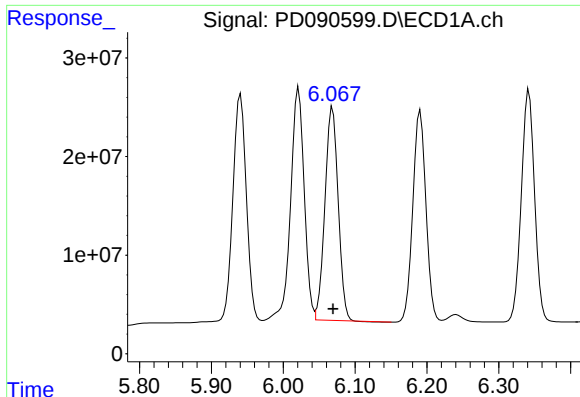
#8 Heptachlor epoxide

R.T.: 5.685 min
Delta R.T.: -0.001 min
Response: 298973008
Conc: 52.31 ng/ml



#8 Heptachlor epoxide

R.T.: 4.864 min
Delta R.T.: -0.002 min
Response: 2012618024
Conc: 54.59 ng/ml



#9 Endosulfan I

R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 276603212
Conc: 51.21 ng/ml

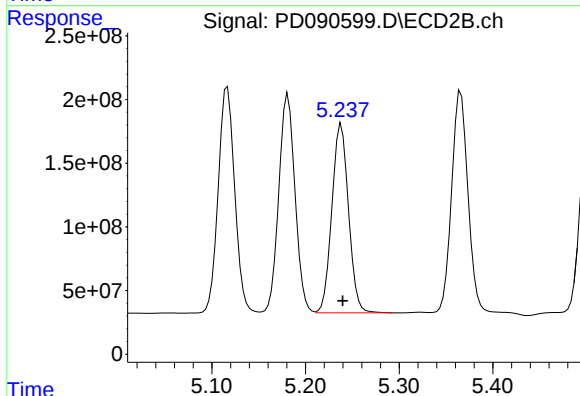
Instrument :

ECD_D

ClientSampleId :
PB170103BS

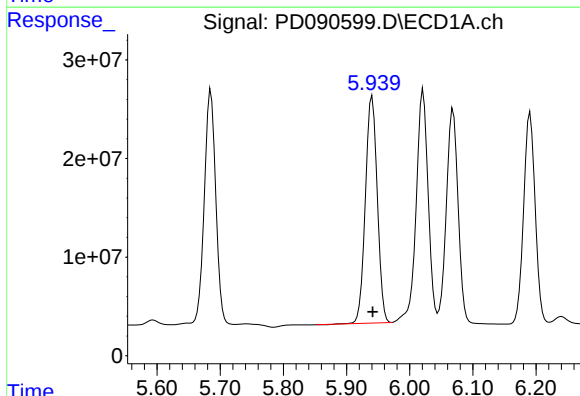
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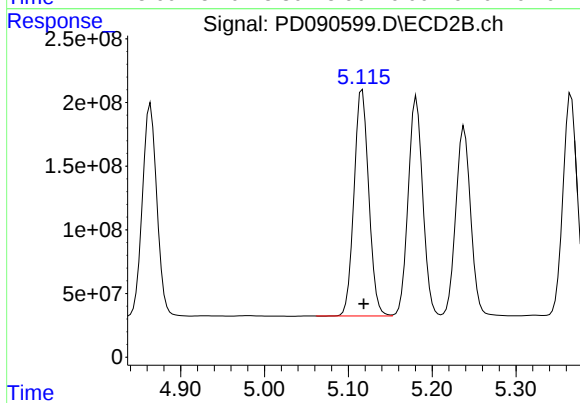
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: -0.002 min
Response: 1835535840
Conc: 53.04 ng/ml



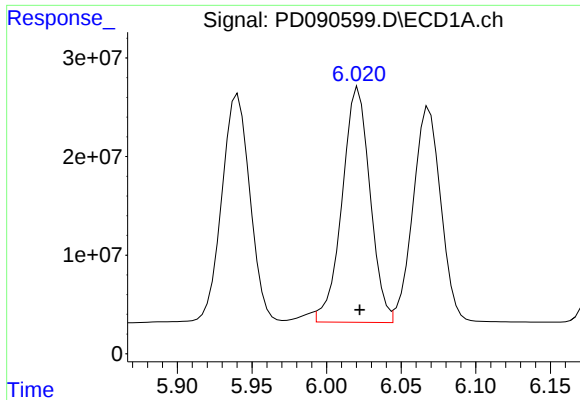
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 300895770
Conc: 52.68 ng/ml



#10 gamma-Chlordane

R.T.: 5.117 min
Delta R.T.: -0.002 min
Response: 2175788541
Conc: 55.38 ng/ml



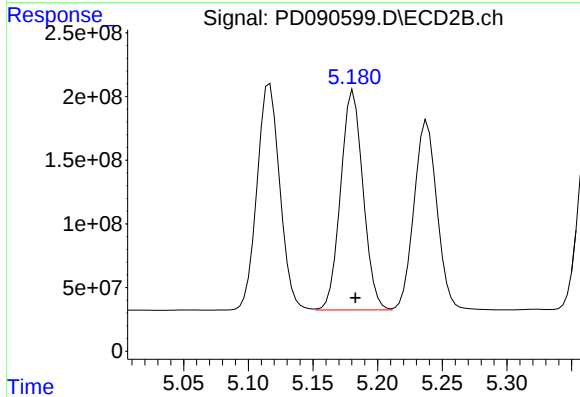
#11 alpha-Chlordane

R.T.: 6.020 min
Delta R.T.: -0.002 min
Response: 311947104
Conc: 54.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170103BS

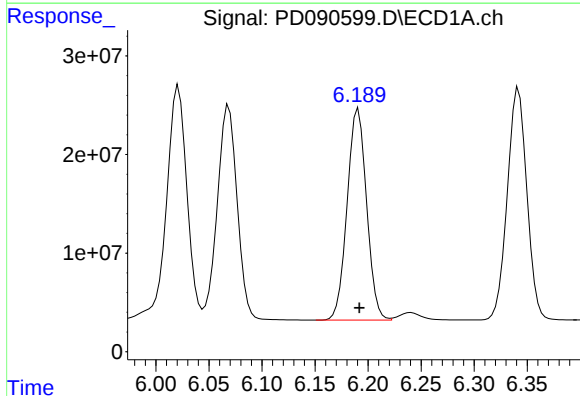
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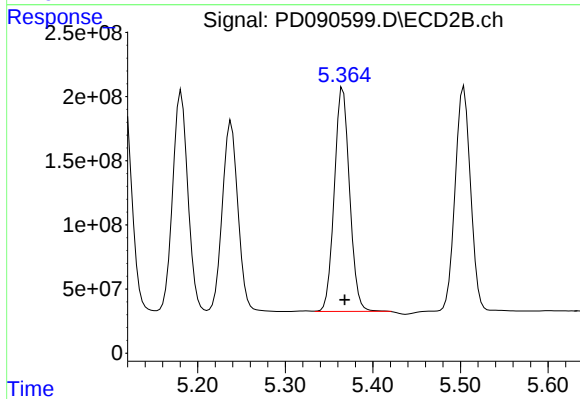
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: -0.002 min
Response: 2075572647
Conc: 55.11 ng/ml



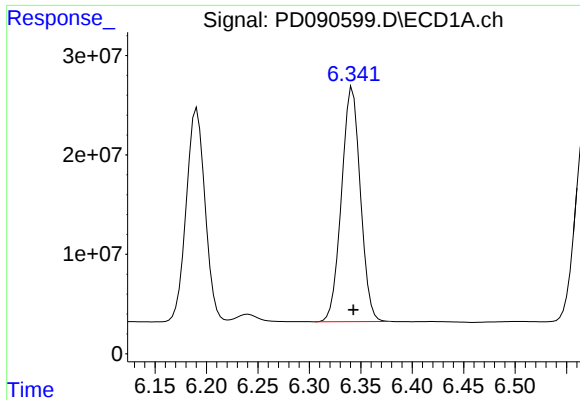
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 273000334
Conc: 52.42 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min
Delta R.T.: -0.002 min
Response: 2112955750
Conc: 55.20 ng/ml



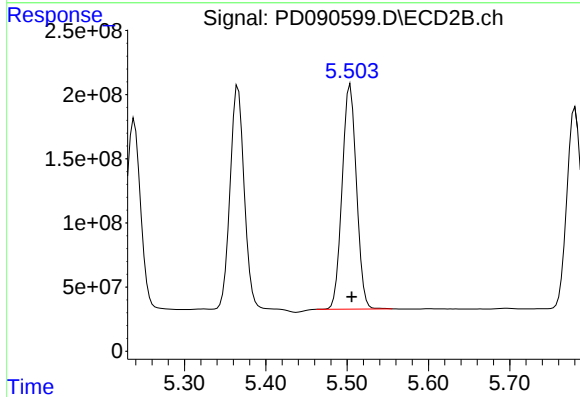
#13 Dieldrin

R.T.: 6.342 min
Delta R.T.: 0.000 min
Response: 301317203
Conc: 52.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170103BS

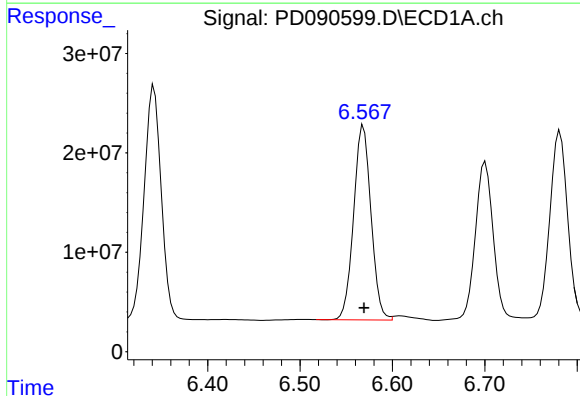
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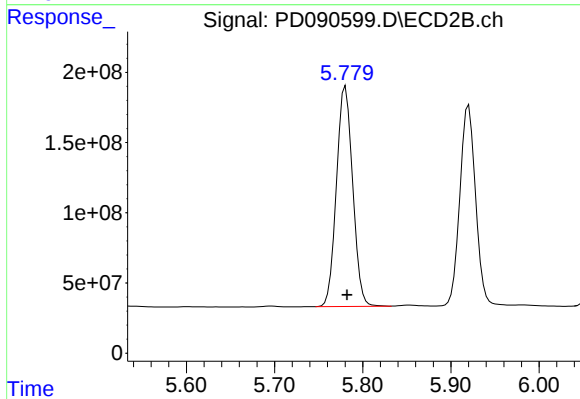
#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: -0.002 min
Response: 2142337718
Conc: 55.01 ng/ml



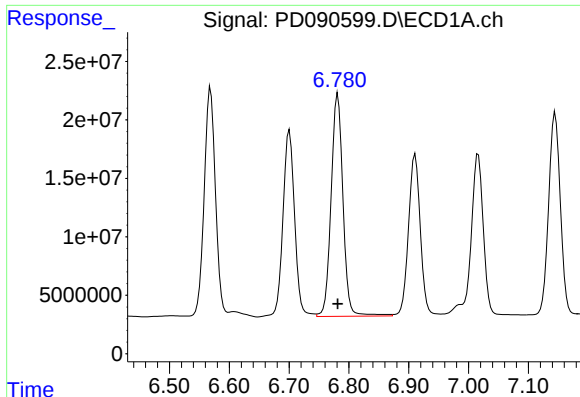
#14 Endrin

R.T.: 6.569 min
Delta R.T.: 0.000 min
Response: 256039363
Conc: 52.32 ng/ml



#14 Endrin

R.T.: 5.781 min
Delta R.T.: -0.002 min
Response: 2005172017
Conc: 55.96 ng/ml



#15 Endosulfan II

R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 262828461
Conc: 53.88 ng/ml

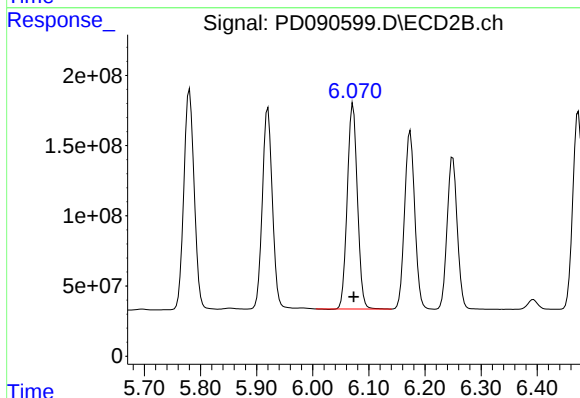
Instrument :

ECD_D

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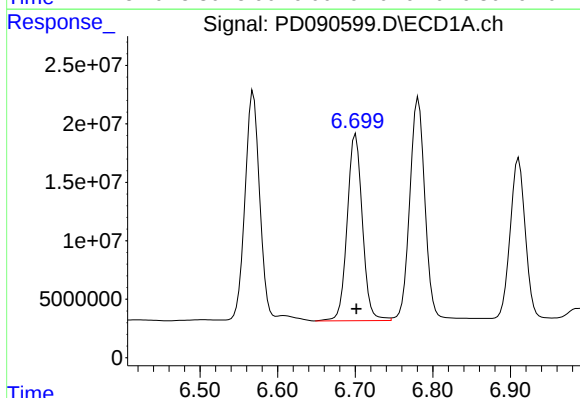
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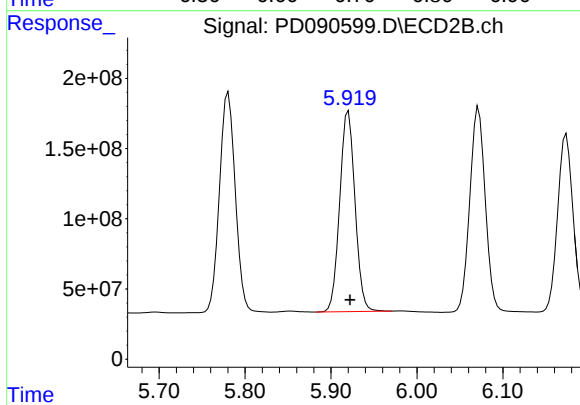
#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: -0.001 min
Response: 1829757236
Conc: 54.21 ng/ml



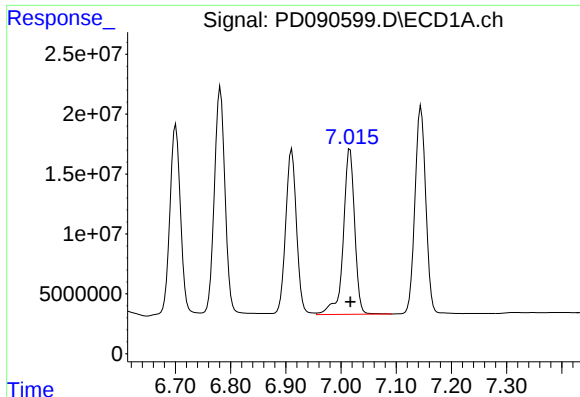
#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: 0.000 min
Response: 216808210
Conc: 52.91 ng/ml



#16 4,4'-DDD

R.T.: 5.920 min
Delta R.T.: -0.002 min
Response: 1764444803
Conc: 54.41 ng/ml



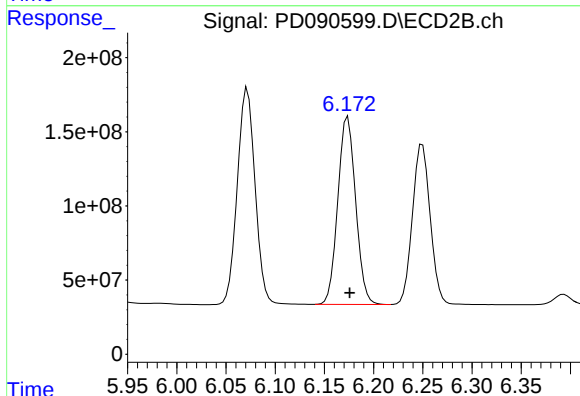
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 197726942
Conc: 44.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170103BS

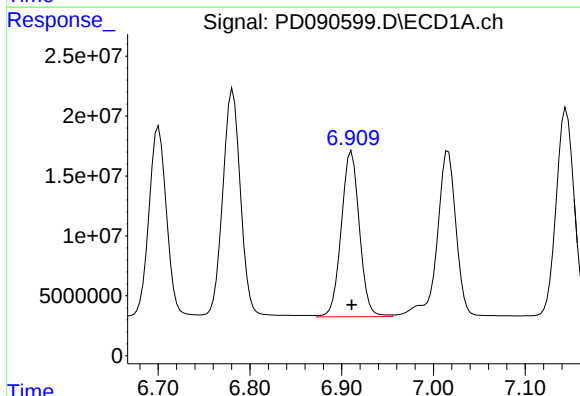
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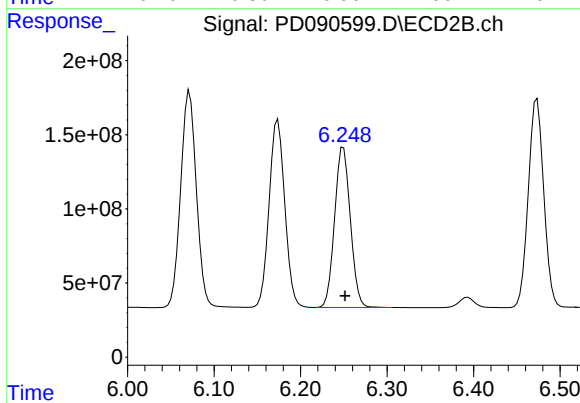
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: -0.002 min
Response: 1597570706
Conc: 46.47 ng/ml



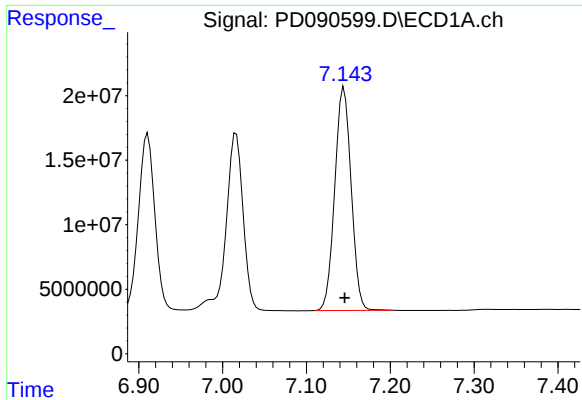
#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: 0.000 min
Response: 189939835
Conc: 55.37 ng/ml



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: -0.002 min
Response: 1358910409
Conc: 57.71 ng/ml



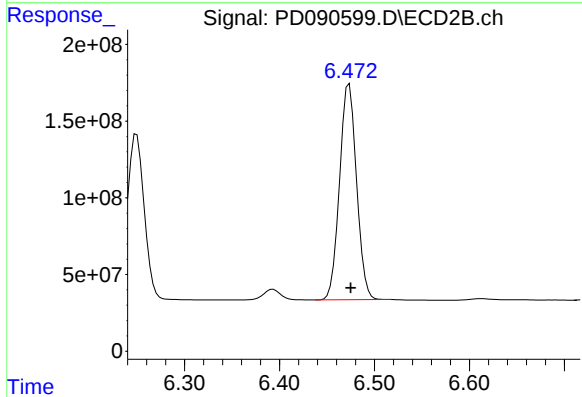
#19 Endosulfan Sulfate

R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 234786628
Conc: 51.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170103BS

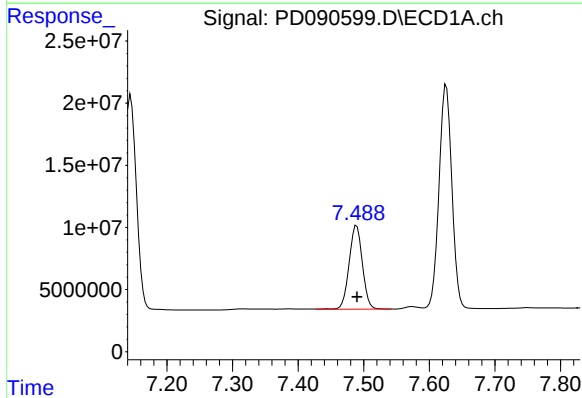
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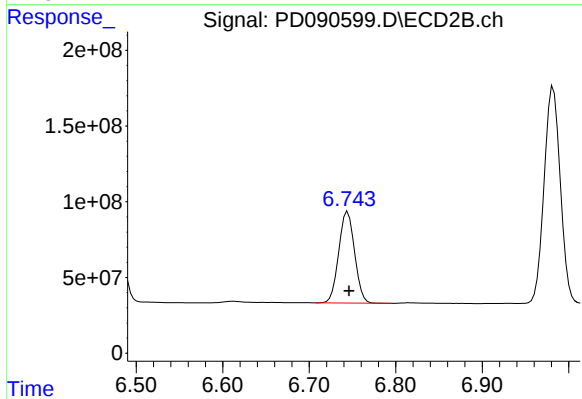
#19 Endosulfan Sulfate

R.T.: 6.473 min
Delta R.T.: -0.002 min
Response: 1753048127
Conc: 53.63 ng/ml



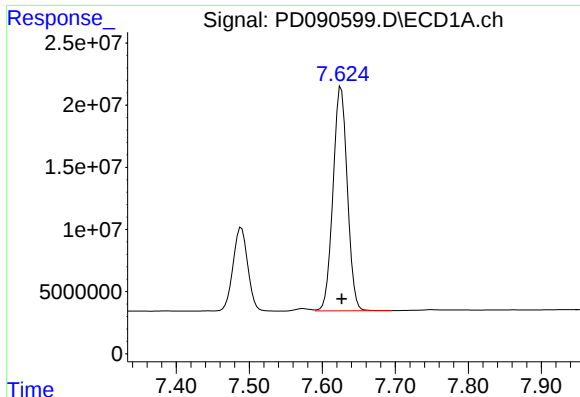
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 94772881
Conc: 40.22 ng/ml



#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: -0.001 min
Response: 764633625
Conc: 43.94 ng/ml



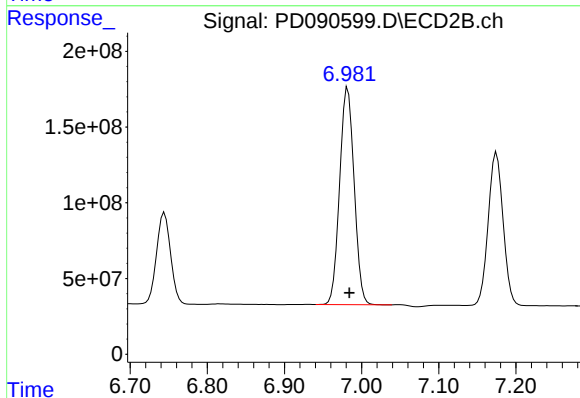
#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: 0.000 min
Response: 245437422
Conc: 49.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170103BS

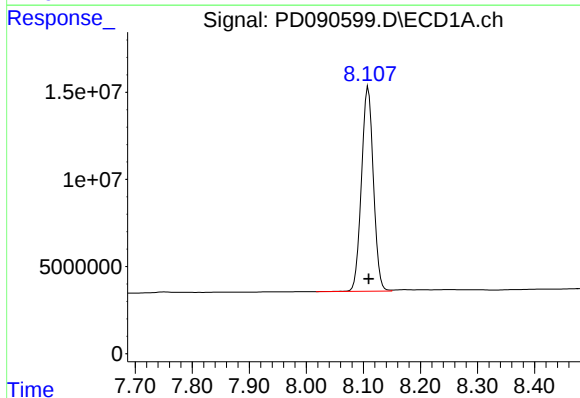
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/16/2025
Supervised By :mohammad ahmed 10/17/2025



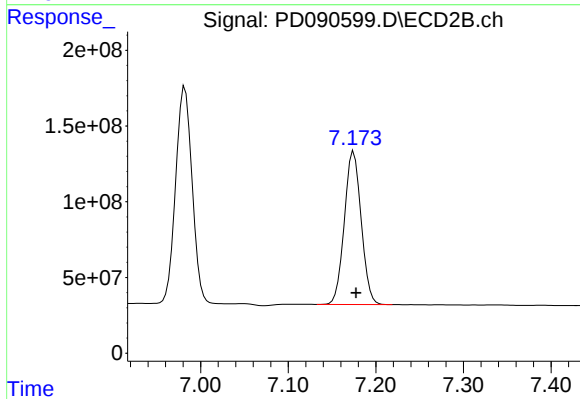
#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: -0.002 min
Response: 1868814325
Conc: 51.76 ng/ml



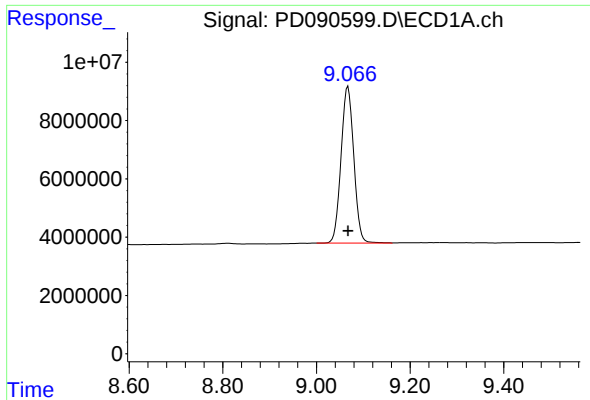
#22 Mirex

R.T.: 8.108 min
Delta R.T.: -0.001 min
Response: 169960769
Conc: 45.88 ng/ml



#22 Mirex

R.T.: 7.175 min
Delta R.T.: -0.003 min
Response: 1352467585
Conc: 48.99 ng/ml



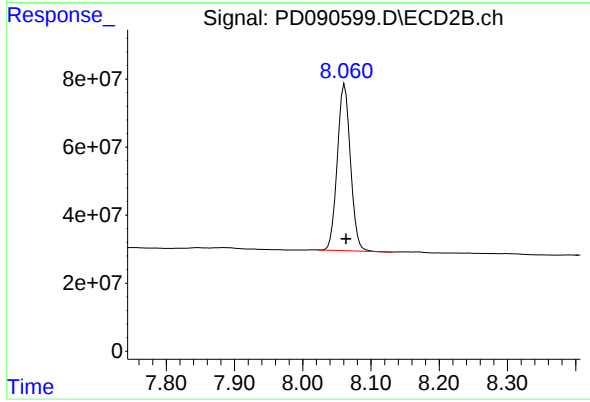
#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.000 min
Response: 101543048
Conc: 21.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170103BS

Manual Integrations
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Supervised By :mohammad ahmed 10/17/2025



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: -0.002 min
Response: 655466249
Conc: 20.22 ng/ml